

THE ARIZONA MINING FIELD

Items About the Mines and Mineral Development Culled From Exchanges

TREASURELAND OF AMERICA

Reports From Many Districts in the Territory, Telling of Important Discoveries, Active Operations and Organization of New Companies

The situation in Mexico resulting from the dynamite famine is rapidly becoming acute. A few days ago a petition was sent by telegraph to President Diaz asking for some relief. There is a prohibitive duty of \$210 per ton on dynamite. The Mexican national monopoly which has the sole right to bring dynamite into the republic free has entered into an agreement as agent to the American trust. It is pointed out that after allowing wide margins for all possible expenses there is a net profit of \$6.65 per case, or \$226 per ton, or \$5320 per car for the company. The miners feel that this bonus is exorbitant and unjust and ask for immediate relief.

For thirty years Prof. Douglas has studied the west and now stands at the head of the greatest mining enterprises to be found in this section of the country. The companies, of which he is now the head, including the railroads, are today probably giving employment to 10,000 men in Arizona, Mexico and Sonora, Mexico. He could give mining congress some very interesting information about the development of the mining industry in the southwest had he the time and inclination. Since Professor Douglas entered the mining industry in Arizona there have been rapid strides in the discovery and application of new methods and machinery in extracting values from ores. It was he who first installed the converter process in Arizona after he had traveled to the great copper mines in Spain and studied it. The first converter ever operated in the territory was in Bisbee about 15 years ago. Now there is not a copper plant in Arizona without a converter. The converter method has saved many of the low grade camps and without it many of the present producing copper camps would be deserted.

YAVAPAI COUNTY

Growing Importance of the Mining Industry. New Developments

From the Prescott Courier.

Report is that rich ore, some of which will carry \$3000 per ton gold, has been encountered on the \$30 level of the Gladstone mine, which adjoins the McCabe.

A car load of machinery for the Octave mine left Prescott last week. The machinery included a hoist and heavy pump. Some of the most extensive mine development work ever done in Yavapai county is about to be started on the Octave group.

A miner in conversation with the Courier man last evening said that in the union mine, there is eight feet of ore between walls which will average \$40 per ton gold.

C. Douglas Brown, of Brown Bros., has returned from Kansas where he made arrangements with the Richinbar Co. to install for them at their mines ten additional stamps to the mill and a 60 h. p. boiler. Mr. Brown returned by way of Denver where he made arrangements with the F.M. Davis Iron Works company for the machinery.

Supt. Goodloe, of the congress mine, states that everything is working smoothly at the Congress property. Some time ago an important ore strike was made in this mine which insures its permanency. A large number of men are now at work at Congress opening up new ore bodies.

John S. Jones brought in from the Jesse camp a bar of extra pure gold weighing about 124 ounces, the product of ore from the company's mines is run through the Jesse Mines company's mill. He will arrange for the shipment of concentrates to the Arizona Smelting company's works at Humboldt. He now has 100 tons of concentrates on hand.

From the Prescott Journal-Miner.

The Jesse Mines company is preparing to install a 60-stamp mill, crushers, amalgamation and cyanide processes. The company also proposes to erect at its power plant two 350 kilowatt electric generators, which equals in capacity 900 horse power, and four 250 horse power boilers of the type generally known as the Scotch marine boiler. The object in having double the power necessary to run the plant in generators is to give positive assurance at all time that no shut down will be necessary on account of any breakage or accident that might occur to the generator in

use. It will require about 6½ miles of pipe line to connect the large underground storage reservoir situated above the Jesse mine, which will supply the mill and reduction plant with water. This reservoir will have a capacity of over 1,000,000 gallons. The Jesse mine was located in the year 1889, and since that time has produced about \$800,000 in gold besides there is about \$700,000 worth of a lower grade ore on the dump already mined and ready to mill, with immense ore bodies in the mine opened up.

From the Jerome Mining News.

The work of removing the ore from the fire district in the United Verde mine is progressing very satisfactorily, and there is no doubt but that all may be removed from the fire district. A Prescott paper insists that men employed in the fire district are compelled to wear a covering over the face while at work. At times, while handling the finer ore, they wear something over the nose for protection against the dust, the same as they have to do in any part of the mine. Last month Superintendent Tom Taylor made a record-breaking run with the United Verde smelter, and it is thought that the output this month will be greater than that of last.

MOHAVE COUNTY

This Week's Mining News as Reported by the Miner

Over fifty men are now employed on the Minnesota-Connor mines and ore shipments will soon be made to the smelters. The ore bodies recently opened up are much richer and extensive than those on the upper levels and the mines are in a fair way to become great producers.

The shaft on the Vanderbilt mine at Cerbat has reached a depth of 300 feet and a crosscut is being run toward the rich vein on the foot wall. On the 175 level a winze is being sunk on the rich ore body, recently opened up. At a depth of 30 feet the winze is all in very rich ore. Sinking will be continued at this point until it cuts the drift on the 300 level.

C. E. Finney and E. Fleming L'Engle, of the Arizona Smelting Company, arrived in Kingman Tuesday evening last and departed the following morning to the Chloride section, where they interviewed ore producers. It is understood that an exceptionally favorable rate was made producers of the district, which allows of the shipment of \$20 ore at a profit.

I. M. George visited the Gold Road section this week. He reports mining matters in that section looking prosperous and that it is the general belief that this winter will see more activity along the river range than ever before. Many new mines are being developed and a number of rich strikes are reported. The Gold Road mill continues to turn out its usual big bars of bullion and the mine is getting better every day.

James Uncapher, of Mineral Park, was in Kingman a few days this week. He reports that the drift into the foot-wall of the Keystone mine has opened up an immense body of rich ore. So far the drift is all in ore and its value is away above anything ever taken from the mine in its palmy days. It is presumed that when this body has been exploited a cross-cut will be run from the bottom drift to cut the chute. The Keystone is one of the best mines in Wallapai district and only needs development to put it among the big producers of the territory.

COCHISE COUNTY

Where Mining, the Chief Industry, is Very Active

A well founded rumor comes from Boston that in the very near future the capital stock of the Calumet & Arizona company, operating in the Warren district will be doubled. The capitalization which is now \$2,500,000, will be increased to \$5,000,000. The entire five millions of stock, it is said, will be divided into 500,000 shares at the par value of \$10, and two shares of the new stock will be given to holders for every share of the old. Four hundred thousand shares will be issued and 100,000 shares will be kept in the treasury. It is also reported from the same source that a dividend of either \$2.50 or \$3 will be paid on the old stock on December 20th next.

Supt. W. F. Stanton said to a Republican reporter: "At Tombstone the main shaft of the big Consolidated Mines company is down 840 feet and sinking continues at the rate of nine feet per week, which is rapid work, considering the depth, the size of the shaft, the water and all other conditions that necessarily obtain. The water, however, is less troublesome than some time ago, and there is daily pumped out of the mine 3,700,000 gallons. The company is shipping from 80 to 90 tons of ore to El Paso daily. Work on the mill is progressing rapidly and the company expects to have its forty stamps in operation next month.

Recent discoveries of ore bodies and a better knowledge of geological conditions in the districts adjacent to Bisbee has raised great hopes that the copper deposits are of far greater extent than has been heretofore believed. Several new and largely capitalized companies with virgin ground, are preparing to go into commission within the next 60 days and the work they will inaugurate will be upon the same broad scale that has characterized the Calumet & Arizona and its affiliated companies.

CLIFTON AND MORENCI

Items of Interest From Graham County's Big Copper Camps

From the Copper Era

O. P. Lovejoy, of Boston, who is interested in the Chase Creek Copper company, arrived last week and is giving the camp a careful examination. He is agreeably surprised at the magnitude and development of the district finding it far beyond his expectations. He is also pleased with the location and property of the Chase Creek company, which, beyond doubt, has a future equal to the best of them.

Work is progressing rapidly on the construction of the Shannon converter plant. The steel frame for the building is in place and the foundation walls for the plant are about completed. A new engine will also be placed so that there will be ample power at all times. It is expected that the plant will be running by January, after which the Shannon can claim one of the most complete and modern plants in the territory. The plant is not as large as some in the territory, but it can be added to under the original plans as occasion may require. The Shannon company will soon be ready to do a regular custom business in treating ores and will save the value of precious metals as well as the copper in the ore. This will be of great advantage to the district and will doubtless be the means of opening many mines that are now idle, the ores of which carry other values besides copper, but which are too low grade to ship to El Paso. The Shannon company has made a very pronounced success during the past year, but as yet is only at the beginning of its career.

From Safford Guardian.

Francis H. Wilson, president of the Gila Valley Copper company, accompanied by Murray W. Ferris, of New York, vice president, arrived in Safford on Friday of last week to inspect the property of the company located near the Lone Star district. We are informed that the machinery for the new concentrator to be put in by this company will be shipped within 30 days.

From the Morenci Leader.

The Detroit Copper Mining company is arranging poles for an extension of their electric lines to the Santa Rosa group, which they own, near Coronado. It is proposed to install an electric drill with which development work will be done and more progress made than by the old hand method. The power will be used to develop intervening prospects and for hoisting where the shafts have become too deep to handle with windlass.

OUR NEIGHBOR PINAL

Mining News Reported by our Arizona Exchanges

W. F. Stanton, general manager says: "At Imperial the ore shipments are 100 tons daily. They are 80 feet below the 500-foot level, in high grade ore and are still sinking. The mine is developing beyond expectation in point of ore bodies, both in size and values. The management is now at work on plans for a smelter and concentrating mill. The capacity of the smelter will be 300 tons per day to begin with, but the plant will be so constructed that 300 ton units may be added from time to time as the development of the property may necessitate. During the first year, since the shipment of ore began, the output of the mine has been 7,000,000 pounds of copper. The present rate of production is 600,000 pounds of copper per month."

The Kelvin Reduction company held a public meeting at Kelvin at which it announced its plans and intentions to the people. This company has recently taken over mines at Ray and proposes to do a large amount of development work. Attorney Langston says that never before has there been such activity in the mines as there is at this time around Kelvin.

Messrs. Brown, Smith and Cato are at work on a group of mining claims they recently located near the head of Box canyon. The group consists of eight claims and, according to rumor, the group has been sold to Mr. Gibson, of Globe, for \$30,000, the bond calling for \$5000 down and the balance in 6 and 12 months.

Gene Woodbury has taken a contract to run 100 feet of tunnel on the old Eureka mine situated near Superior. This is the property recently taken over by Mr. Gibson, of Globe, under a working bond. It has been developed to a considerable extent and some good ore bodies have been uncovered in the workings. The contained values are copper, gold and silver.

There is steadily increasing activity in the Superior district and everything indicates that several more great mines will be developed there soon. We have always believed and contended that the famous old Silver King mine was not alone in that region and that intelligent prospecting and development would eventually demonstrate the truth of our contention. The developments at Superior have already proven it and it looks at present as if there would be still further confirmation of it by developments on other properties. The day

is not far distant when we shall see a beehive of industry in operation all the way through from Mineral Hill via Superior to Globe. A branch railroad from here to Superior would hasten the coming of this desired condition and it is quite probable that work will be commenced on this needed branch road this winter.

Freight Rates to the Fair

The railroad companies have agreed to make special freight rates on exhibits to the Fair as follows: On shipments to the Fair full rates will be charged and exhibits will be returned free, provided they have not changed ownership. On fruit shipments full rates will be charged and if, after the close of the Fair the fruit is worthless some of the roads will refund all and others one-half of the freight paid. On minerals full rates will be charged going and returned free; if allowed to remain as a permanent exhibit some concession will be made, to be announced later. Passenger rates on all the main line roads will be two (2) cents per mile each way and on some of the branch roads one fare for the round trip has been named.

THE COPPER QUEEN'S \$2,500,000 ORE PILE

Did you ever see a body of ore in one huge pile that is worth over \$2,500,000? If not, go out to the Copper Queen smelter and take a look at its reserves, strung along the railroad track.

This immense ore dump, kept on hand for emergency, in case an accident to the railroad should prevent shipments from the mines, is 2,500 feet long, 40 feet wide, and 16 feet thick, which equals 1,600,000 cubic feet or approximately 123,000 tons of ore.

This body of ore is all fluxed and prepared for the furnaces and will average 7 per cent.

Taking this percentage as a basis for figuring the value for the entire body it would give 17,220,000 pounds of copper, allowing 140 pounds of copper to the ton. This would make each ton of ore worth \$21.00 in copper bullion, or a total valuation of \$2,582,000.—Douglas Speaker.

Roosevelt Hot Springs

Nelson & Bacon have recently purchased the Roosevelt hot springs and fitted them up comfortably for the accommodation of patrons. The springs will be found especially desirable for invalids during the fall and winter months when the climate at Roosevelt is delightful.

Notice to Hunters

Quail season is now open. Go to Van Wagenen's for your guns and ammunition.

W. F. Harte, of the Modern Dairy, is prepared to supply pure milk in any quantity desired. Patronage solicited. Mail orders will receive prompt attention.

For medicinal purposes the Autocrat whiskey cannot be excelled. Sold by J. J. Keegan.

You think of snow-capped mountains and cool, pure, bubbling brooks, with the zest of the hops added, when you think "A. B. C. Bohemian," bottled beer. Guaranteed to be the result of natural brewing and ageing methods and finest barley and imported Bohemian hops. Order from Van Slyck & Meyers, wholesale dealers, Globe, Arizona.

LODGES AND SOCIETIES

Pinel Mountain Lodge, No. 11, Knights of Pythias

Meets regularly every Thursday evening in the I. O. O. F. Hall. Visiting knights in good standing cordially invited.

D. S. TOVEY, C. C.
R. H. OLLSON, K. of R. & S.

F. & A. M.

Regular meetings of White Mountain lodge, No. 3, will be held the first Tuesday of each month in Odd Fellows' building.

LEROY MIDDLETON, W. M.
G. W. SHUTE, Secretary.

Globe Chapter No. 7, R. A. M.

Regular convocations of Globe Chapter, No. 7, R. A. M., fourth Friday evening in each month; from May to October, 8 p.m.; from October to May, 7:30 p.m. Visiting companions cordially invited.

ALONZO BAILEY, H. P.
W. D. FISK, Secretary.

B. P. O. E.

Globe lodge, No. 489, B. P. O. E., meets on the first and third Fridays in each month, in Odd Fellows' hall. Visiting Elks are cordially invited.

E. T. STEWART, E. R.
J. G. OLDFIELD, Secretary.

A. O. U. W.

Globe lodge, No. 15, meets on the first and third Fridays of each month at 8 o'clock p.m., in Miners' Union hall. Visiting brothers in good standing are cordially invited.

D. S. HERON, W. M.
L. N. MARX, Recorder.

I. O. O. F.

Rescue lodge, No. 12 meets every Wednesday evening. Visiting brothers are cordially invited.

DAN R. WILLIAMSON, N. G.
EUGENE MIDDLETON, Secretary.

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